

MIKHAYLOV, Viktor Grigor'evich, kand. tekhn. nauk; SHUYSKIY, Petr Ivanovich, kand. tekhn. nauk; NESOV, V.D., inzh., red.; KUZNETSOVA, A.A., red. izd-va; ABRAMOVA, V., tekhn. red.

[Economics of manufacturing and using prestressed-concrete beams and girders; for roofs of industrial buildings] Ekonomika proizvodstva i primeneniia zhelezobetonnykh predvaritel'no napriazhennykh bälok i ferm; dlia pokrytii proizvodstvennykh zdanii. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 108 p. (MIRA 14:10)

(Beams and girders)

(Industrial buildings)

MIKHAYLOV, V.G.; STARTSEVA, M.A.

Eating the advantages of soliusur'min therapy for kala-azar in infants. *Pediatrics* no.4:80 J1-Ag '55. (MLRA8:12)

1. Iz kliniki gospiatal'noy pediatrii Tashkentskoy gorodskoy stantsii, tropicheskoy meditsiny.  
(KALA-AZAR) (ANTIMONY--THERAPEUTIC USE)

MIKHAYLOV, V. G.

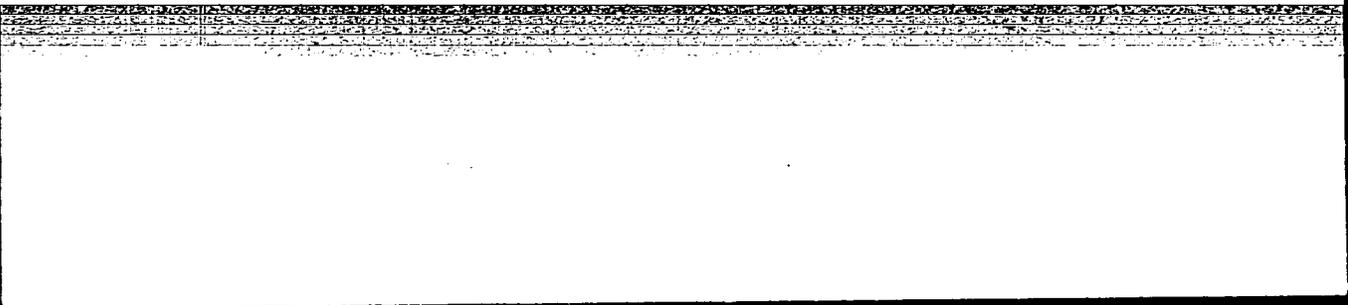
MIKHAYLOV, V. G. -- "The Comparative Evaluation of the Effectiveness of Treating Internal Leishmaniasis of Children." Tashkent State Medical Inst imeni V. M. Molotov. Tashkent, 1956.  
(Dissertation for the Degree of Candidate in Medical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

MIKHAYLOV, V. G.

*Med* ✓ Detection of bismuth in the urine with the use of ~~the~~ violet. V. G. Mikhaylov (Med. Inst., Tashkent). *Laboratornae Delo* 11, No. 3, 12-13 (1958) -- Urine (50 cc.) is treated with a 1:1 mixt. of concd.  $HNO_3$  and  $H_2SO_4$  until the org. matter is destroyed. Small portions of  $HNO_3$  are added to the charred urine until the residue becomes transparent, after which it is heated with 2 cc. 1%  $Na_2SO_4$  for 15-20 min, until complete removal of N oxide fumes. The flask is cooled and on addn. of 2 cc. water is ready for analysis. The solution (0.5 cc.) is mixed with 1.5 cc. concd.  $HCl$  and 3 drops of 0.1N  $K_2CrO_7$  and after 1 min. a few drops of

"APPROVED FOR RELEASE: 07/12/2001      CIA-RDP86-00513R001034020012-8



APPROVED FOR RELEASE: 07/12/2001      CIA-RDP86-00513R001034020012-8"

MIKHAYLOV, V.G.

Simple fluorescent method for determining acriquine and stilbamidine  
in urine. Lab.delo 3 no.4:15-16 J1-Ag '57. (MIRA 10:8)

1. Iz kliniki gospital'noy pediatrii (dir. - prof. R.S.Gershenovich)  
Tashkentskogo meditsinskogo instituta.

(URINE--ANALYSIS AND PATHOLOGY)

(QUINACRINE) (STILBENMEDICARBOXAMIDINE)

USSR / Pharmacology and Toxicology--Chemotherapeutic Preparations

V-6

Abs Jour: Ref Zhur-Biol, No 23, 1958, 107396

Author : Mikhaylov, V. G.

Inst : ~~Not given~~

Title : The Comparative Evaluation of Some Preparations in the Treatment of Internal Infantile Leishmaniasis

Orig Pub: Med. zh. Uzbekistana, 1958, No 5, 29-31

Abstract: In the treatment of 196 children affected with internal leishmaniasis, the best results were obtained with Solusurmin. As to effectiveness, second place belongs to neostibosan and third place to stilbamidine. In the treatment with stilbamidine, side

Card 1/2

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MIKHAYLOV, V.G.

Visceral leishmaniasis in Andizhan Province [with summary in English]. Med.paraz. i paraz.bol. 27 no.5:559 8-0 '58.

(MIRA 12:1)

1. Iz Andizhanskogo meditsinskogo instituta (dir. instituta U.A. Alimov).

(LEISHMANIASIS, VISCERAL, epidemiol.  
(Rus))

~~MIKHAYLOV, V. G.~~

Secretion of antimony and stilbamidine in the treatment of  
visceral leishmaniasis in children. *Farm. i toks.* 22 no.2:  
175-178 Mr-Apr '59. (MIRA 12:6)

1. Klinika gospiatal'noy pediatrii (dir. - zaslushennyy deyatel'  
nauki prof. R.S.Gershenovich) Tashkentskogo meditsinskogo insti-  
tuta.

(LEISHMANIASIS, VISCERAL, in infant and child,  
ther., antimony & stilbamidine, metab. aspect (Rus))

(ANTIMONY, ther. use,  
visceral leishmaniasis in child., distribution &  
excretion (Rus))

(STILBAMIDES, ther. use,  
stilbamidine ther. of visceral leishmaniasis in  
child., distribution & excretion (Rus))

AGZAMKHODZHAYEV, S.A.; MIKHAYLOV, V.G.

Out-of-town conference of the Uzbek Research Institute of Hematology  
and Blood Transfusion. Med.zhur. Uzb. no.11:76 N '60.

(MIRA 14:5)

(UZBEKISTAN--HEMATOLOGY)

MIKHAYLOV, V.G.; STARTSEVA, M.A.

Treatment of infantile visceral leishmaniasis with solusurmin as revealed by data from the Parasitological Department of the Tashkent City Sanitary and Epidemiological Station. Med. paras. i paras. bol. no. 5:563-567 '61. (MIRA 14:10)

1. Iz Instituta krayevoy eksperimental'noy meditsiny Akademii nauk Uzbekskoy SSR (dir. instituta G.M. Makhkamov) i kafedry laboratornoy diagnostiki i parazitarnykh bolezney Tashkentskogo instituta usovershenstvovaniya vrachey (dir. instituta M.A. Mirsamukhamedov).

(KALA-AZAR)

(ANTIMONY—THERAPEUTIC USE)

AGZAMKHODZHAYEV, S.A.; MIKHAYLOV, V.G.

Blood bank system in the Republic. Med. zhur. Uzb. no.6:72-74 Je  
'61. (MIRA 15:1)

(UZBEKISTAN...BLOOD BANKS)

MIKHAILOV, V.G.; MIRZAKARIMOV, M.G.

Determination of thyroid function with radioactive iodine in  
endemic goiter areas. Probl. endok. i gorm. 7 no.1:69-71. '61.

(GOITER)

(IODINE--ISOTOPES)

(MIRA 14:3)

MIKHAYLOV, V.G.

Puncture of the sternum in children. Lab. delo 7 no.10:15-16 0 '61.  
(MIRA 14:20)

1. Usbekskiy nauchno-issledovatel'skiy institut gematologii i perelivaniya krovi (dir. S.A.Agzankhodzhayev).  
(~~STERNUM PUNCTURE~~) (CHILDREN DISEASES DIAGNOSIS)

MIKHAYLOV, Vladimir Georgiyevich; AKSEL'ROD, M.B., red.; TSAY,  
A.A., tekhn. red.

[Luminescence analysis in medicine] Liuminestsentryi  
analiz v meditsine. Tashkent, Medgiz UzSSR, 1963. 169 p.  
(MIRA 17:1)

MIKHAYLOV, V.G.

Closed systems for preparing bone marrow. Probl. gemat. i perel.  
krovi 9 no.4:47-49 Ap '64. (MIPA 17:11)

1. Uzbekskiy institut gematologii i perellvaniya krovi (dir. Kh.  
A. Khakimov), Tashkent.

MIKHAYLOV, V.G.

Application of fluorescence microscopy to the evaluation  
of the viability of bone marrow cells during their conserva-  
tion. Izv. AN SSSR. Ser. biol. no.6:932-934 N-D '65.

(MIRA 18:11)

1. Uzbekskiy nauchno-issledovatel'skiy institut gematologii  
i perelivaniya krovi, Tashkent.

L 27794-66

ACC NR: AP6018410

SOURCE CODE: UR/0216/65/000/006/0932/0934

AUTHOR: Mikhaylov, V. G.ORG: Uzbek Research Institute of Hematology and Blood Transfusion, Tashkent  
(Uzbekskiy nauchno-issledovatel'skiy institut gematologii i perelivaniya krovi)TITLE: Use of luminescence microscopy to evaluate the viability of stored bone marrow cellsSOURCE: AN SSSR. *Izvestiya. Seriya biologicheskaya*, no. 6, 1965, 932-934

TOPIC TAGS: bone marrow, microscopy, luminescence, cytology

ABSTRACT: The author's method is based on Strugger's finding that when stained with the fluorochrome acridine orange, injured bone-marrow cells acquire red fluorescence while intact ones have green fluorescence. He found that the number of cells whose nuclei and cytoplasm fluoresce green steadily decreases while those which fluoresce red increase the longer they are stored. For example, the number of cells with green fluorescence constituted 96.5% of the total on the first day of storage, 84% on the 3d day, 79% on the 5th day, 76% on the 7th day, and 68% on the 10th day.

Luminescence microscopy is useful in studying the viability of bone-marrow cells in relation to various methods of freezing and effect of glycerin and dimethyl-sulfoxide. The changes in fluorescence of the cells

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UDC: 576.3

L 27794-66

ACC NR: AP6018410

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were the same as when they were stored in liquid preservatives. The advantage of vital staining with acridine orange is particularly apparent when the viability of the cells is investigated after thawing. Other laboratory methods do not yield satisfactory results in this case because after deep freezing, storage at superlow temperatures, and thawing the cells are easily injured or destroyed during the preparation of smears or other manipulations. / JPRS

SUB CODE: 06, 20 / SUBM DATE: 24Sep64 / ORIG REF: 005 / OTH REF: 006

Card 2/2 *cc*

MIKHAYLOV, V.G.; SAVUSHKINA, A.N., inzh., rukovoditel' diplomnogo proyekta

Fire hazard in the production of terylene films. Pozh. bezop.  
no.3:27-30 '64. (MIRA 18:5)

MIKHAYLOV, V.G., doktor tekhn.nauk; KRAPIVIN, M.G., kand.tekhn.nauk;  
KARYUK, G.G., kand.tekhn.nauk; KOZHENTSEV, Yu.T., aspirant;  
GARASHCHENKO, P.A., aspirant; MALYAROV, G.P., aspirant;  
KOGAN, K.B., inzh.; SUKACH, V.D., inzh.; TKACHENKO, V.A., inzh.;  
LINENKO, Yu.P., inzh.; MOZNAIM, G.I., inzh.; MARTYENKO, I.A., inzh.

Cutting tool for the cutter loader. Ugol' Ukr. 6  
no.8:37-39 Ag '62. (MIRA 15:11)  
(Coal mining machinery)

MIKHAYLOV, V.I.; TARNOVSKIY, M.A.

Using hydraulic displacement transmissions in working frozen  
soils. Stroi. i dor. mash. 9 no.11:17-18 N 164  
(MIRA 18:2)

GARPINCHENKO, A.M.; GOLUBEV, S.G.; DAMILOV, M.V.; KAL'M, A.A.; KALYAYEV, S.V.; MIKHAYLOV, V.I.; GOLUBEV, S.G.; redaktor; FILATOV, I.G., redaktor; VISHNEVSKIY, Ye.B., redaktor; KONYASHINA, A., tekhnicheskiy redaktor

[Fire extinction tactics] Pozharnaya taktika. Pod red. S.G.Golubeva. Moskva, Izd-vo Ministerstva kommunal'nogo khoziaistva RSFSR, 1955. 379 p. (MIRA 8:6)

(Fire extinction)

BARDYSHEV, A.A., inzh.; VASIL'YEV, V.N., kand. ekon. nauk; VOLKOV, V.G., inzh.; MIKHAYLOV, B.V., kand. tekhn. nauk; MIKHAYLOV, V.A., kand. tekhn. nauk; MIKHAYLOV, V.I., inzh.; PETUNIN, P.I., insh.; SAVEL'YEV, N.P., insh.; SOKHIN, V.G., insh.; STUGAREV, A.S., kand. tekhn. nauk, nauchnyy red.; ZAYCHIKOVA, E.A., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Production of rock, gravel and sand for construction; present state and prospects for development] Proizvodstvo nerudnykh stroitel'nykh materialov; sostoyanie i perspektivy razvitiia. [By] A.A. Bardyshev i dr. Moskva, Gosstroizdat, 1962. 201 p.

(MIRA 16:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii. 2. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii (for all except Zaychikova, Stugarev, Borovnev).

(Crushed stone industry)

(Sand and gravel industry)

MIKHAYLOV, V.I.

Synthesis of ammonia and its salts in a eudiometer. Khim. v shkole  
18 no.1:62 Ja-F '63. (MIRA 16:4)

1. Pedagogicheskiy institut, g. Cheboksary.  
(Ammonia) (Chemistry--Experiments)

— MLKHAYLOV, V.I., inzh.; ZHUCHENKO, V.A., inzh.

Production studies of a cutting and hydraulic loosener with forced supply of soil to the suction unit. Sbor.trud.VNIINerud no.1:96-107 '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut nerudnykh stroitel'nykh materialov i gidromekhanizatsii.  
(Dredging machinery)

MIKHAYLOV, V. I.

Lubrication and Lubricants

Doing away with increased oil consumption in the DR-4-60 Motor. Rab. energ. 2 no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

MIKHAYLOV, V.I.; MATUSEVICH, B.I.

First Soviet nickel plant. TSvet. met. 31 no. 7:12-19 J1 '58.  
(MIRA 11:8)

1. Ufaleyskiy nikelovyy zavod.  
(Nickel--Metallurgy)  
(Ufalei--Metallurgical plants)

KLEMENT'YEV, V.V.; ZAVODCHIKOV, A.N.; DUDIN, R.N.; MIKHAYLOV, V.I.;  
GANOVA, T.N.

Roasting of nickel matte in a fluidized bed furnace. TSvet. met.  
36 no.6:29-34 Je '63. (MIRA 16:7)

(Nickel--Metallurgy) (Fluidization)

9.9300

86212

S/049/60/000/008/011/015  
E201/E191

AUTHOR:

Mikhaylov, V.I.

TITLE:

A Theory of Scattering of <sup>12</sup>Electromagnetic Waves at  
Sea Surface

PERIODICAL:

Izvestiya Akademii nauk SSSR, Seriya geofizicheskaya,  
1960, No. 8, pp.1229-1233

TEXT:

The main results of this paper were discussed at the  
Institute of Radiophysics and Electronics, Academy of Sciences,  
USSR, in November 1958 and at a conference of the Scientific-  
Technical Association imeni Popov held in Khar'kov in April 1959.  
The author discusses scattering of electromagnetic waves by sea  
surface allowing for the random motion of this surface. The  
author derives a spectrum function  $E(k)$  for an "equilibrium"  
region (region of small waves) of the spectrum of sea surface  
waves  $\xi(x, y, t)$ . The function  $E(k)$  is a Fourier transform  
of a correlation function

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$$\xi(x', y', t') \xi(x, y, t)$$

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86212

S/049/60/000/008/011/015  
E201/E191

A Theory of Scattering of Electromagnetic Waves at Sea Surface  
and it is expressed in terms of a turbulent energy spectrum of sea  
waves.. The function  $E(\mathbf{k})$  is proportional to the scattered  
electromagnetic wave intensity. The paper is entirely  
theoretical. f

Acknowledgement is made to V.L. German for his advice.  
There are 23 references: 13 Soviet, 8 English and 2 translations.

ASSOCIATION: Akademiya nauk SSSR, Institut radiofiziki i  
elektroniki  
(Institute of Radiophysics and Electronics, AS USSR)

SUBMITTED: November 27, 1959 (quoted as 1960)

Card 2/2

24.2000

S/185/62/007/012/003/021  
D234/D308

MIKHAILOV, V. I.  
~~Mikhailov, V. I.~~

AUTHOR:

TITLE:

Scattering of electromagnetic waves on rough surfaces

PERIODICAL:

Ukrayins'kyy fizychnyy zhurnal, v. 7, no. 12, 1962, 1274 - 1278

TEXT:

It is assumed that the surface is ideally conducting and locally plane. The source of radiation is an electric dipole. The magnetic field on the surface is replaced by the double tangential field component in free space. The author deduces an expression for the averaged scattered field, which in the case of statistical homogeneity becomes

✓c

$$E(x,y,z) = \frac{ik}{2\pi} \int_{(S)} e^{iq_z^0 r} \vec{\beta}^0 \times (\vec{\beta}^0 \times [q^0 x_e z]) \frac{e^{ik(R^0+r^0)}}{R^0 r^0} dx dy. \quad (11')$$

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Scattering of electromagnetic ... S/185/62/007/012/003/021  
D234/D308

generalizing the results of M.A. Antokol'skiy (DAN SSSR, 62, 203, 1948). An error in the above paper is corrected. For a Gauss' distribution

$$e^{-\frac{1}{2} q_z^2 \zeta_0^2} \quad (12) \quad \checkmark c$$

An asymptotic formula for the average radiation intensity is

$$\frac{J(x,y,z)}{S} [ (q_0 \times e_z)^2 - ((q_0 \times e_z) \cdot \beta)^2 ] \frac{\Lambda^2}{4\pi R_{00}^2 r_0^2} e^{-\frac{q_{\perp 0}^2 \Lambda^2}{2 q_{z0}^2 \zeta_0^2}} \times$$

$$\times \left[ 1 + \frac{\xi_0^{IV}}{24 |\xi_0'|^4} \frac{q_{\perp 0}^4 \Lambda^4}{q_{z0}^6 \zeta_0^6} - \frac{\xi_0^{IV}}{3 |\xi_0'|^3} \frac{q_{\perp 0}^2 \Lambda^2}{q_z^4 \zeta_0^4} + \dots \right] \quad (14)$$

Scattering of electromagnetic ...

S/185/62/007/012/003/021  
D234/D308

with the condition

$$\frac{q_{\perp 0}^2 \Lambda^4}{2q_{z0}^4 \zeta_0^4 \left| \xi'' \right|^2 \lambda D} \ll 1., \quad (15)$$

which improves the results of M.A. Isakovich. There is 1 figure.

✓C

ASSOCIATION: Instytut radiofizyky ta elektroniky AN URSR,  
Kharkiv (Institute of Radio Physics and  
Electronics, AS UkrSSR, Kharkiv)

SUBMITTED: July 27, 1962

Card 3/3

MIKHAYLOV. V. I.

Dredging

From the Don to the Volga. Nauka i zhizn' 19 no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

MIKHAYLOV, Y.I.

BOBROV, I.V.; KRICHVSKIY, R.M.; MIKHAYLOV, Y.I.; OSTROVSKIY, S.B.,  
redaktor; RATNIKOVA, A.P., ~~redaktor~~; ~~redaktor~~; KADITSKAYA, A.A., tekhnicheskii redaktor

[Sudden coal and gas ejections in the Donets Basin mines] Vnezapnye vybrosy uгля i gaza na shakhtakh Donbassa. Moskva, Ugletekhizdat, 1954. 513 p. [Supplement: Systematisation of sudden coal and gas ejections by mine. Tables 5, 8, 10, 14, 15, 16, 17, 18, 19, 22] Prilozhenie: Sistematizatsiia vnezapnykh vybrosov uгля i gaza po shakhtam. Tablitsy 5, 8, 10, 14, 15, 16, 17, 18, 19, 22.  
(Donets Basin--Mine explosions)

MATVIYENKO, A.D.; MIKHAYLOV, V.I., inzh; MIKHEYEV, I.I., inzh.

Surface air leakages in mines and their causes. Bezop.truda v prom.  
5 no.6:5-6 Je '61. (MIRA 14:6)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury  
USSR (for Matviyenko).  
(Mine ventilation)

KRZHIZHANSKIY, G.M.; VINTER, A.V.; POPKOV, V.I.; MARKVARDT, K.G.;  
KARAULOV, N.A.; MIKHAYLOV, V.I.

Professor V.I.Veits. Elektrichestvo no.5:86 My '55. (MIRA 8:6)  
(Veits, Veniamin Isaakovich, 1905- )

USSR/Physics - Accelerated ions

FD-313<sup>38</sup>

*MIKHAYLOV, V. I.*  
Card 1/1 Pub 153 - 13/19

Author : Mikhaylov, V. I.; Morozov, V. M.

Title : Stabilization of the field of magnetic analyzer of beam of accelerated ions

Periodical : Zhur. tekhn. fiz., 25, No 9 (September), 1955, 1649-1652

Abstract : The authors develop a system of stabilization of the magnetic field of an analyzer of electrostatic generator (oscillator), which system possesses the following characteristics: 1) the stabilization is based on continuous measurement of the field in the gap of the electromagnet; 2) the automatic regulation system directly controls the total current of excitation of the magnetic. The described system is being utilized in a small electrostatic generator (G. V. Gorlov, B. M. Gokhberg, V. M. Morozov, and G. A. Otroschenko DAN SSSR, 102, No 2, 1955) and satisfies well the requirements on operation with monoenergetic beams of ions. Two references: e.g. V. G. Brovchenko, B. M. Gokhberg, and V. M. Morozov, DAN SSSR, 101, No 6, 1955.

Institution : --

Submitted : February 5, 1955

MIKHAYLOV, V.I. [Mykhailov, V.I.]

Scattering of electromagnetic waves by turbulent pulsations taking into account an average-speed vortex [with summary in English].  
Ukr. fiz. zhur. 3 no.3:351-357 My-Je '58. (MIRA 11:10)

1. Institut radiofiziki i elektroniki AN USSR.  
(Electric waves--Scattering)



МИКРОТЕЛЕВИД, V. 1.

В. Д. Гурин,  
В. В. Давыдов

О принципах центрального телевидения  
в системе расчетов по программе телевидения по  
радиоволнам.

В. В. Ковалев,  
И. Ф. Саломов,  
Т. Г. Трусов

Формы распределения энергии сигнала (модуля-  
ция сигнала)

10 страниц  
(с 10 до 16 часов)

В. Д. Гурин,  
В. В. Давыдов

К теории обработки информации телевидения  
в системе

В. Д. Гурин,  
И. Ф. Саломов,  
С. Ф. Баранов

Синтез системы радиотелевидения по каналу  
и системе телевидения в системе /с/.

В. Д. Гурин,  
С. Ф. Баранов

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И. В. Баранов,  
И. В. Ковалев

О радиотелевидении радиотелевидения систем, применя-  
ющих радиотелевидение системы телевидения телевидения.  
системы.

В. Д. Гурин,  
И. В. Ковалев,  
Т. А. Гайдар

Статистические свойства формы сигнала, передаваемой  
по радиотелевидению.

В. Д. Гурин,  
Т. А. Гайдар

Об автоматическом определении параметров телевидения  
системы при радиотелевидении телевидения.

10 страниц  
(с 16 до 22 часов)

В. А. Баранов

Расчет параметров систем телевидения телевидения.

И. В. Баранов

Графоаналитический способ расчета параметров телевидения  
для радиотелевидения телевидения.

10

report submitted for the Centennial Meeting of the Scientific Technological Society of  
Radio Engineering and Electrical Communications Dr. A. G. Popov (VSEVE), Moscow,  
6-10 Nov. 1959

MIKHAYLOV, V.I., kand. tekhn. nauk

Interconnecting the power systems of Western Europe. *Energokhoz.*  
za rub. no.5:1-5 S-0 '59. (MIRA 13:2)  
(Europe, Western--Electric power distribution)

MIKHAYLOV, V.I.

Expansion of electric power ties between the countries of  
Western Europe. Obshch. energ. no.3:128-137 '60. (MIRA 14:3)  
(Europe, Western--Electric power distribution)

S/120/60/000/005/029/051  
E052/E314

AUTHOR: Mikhaylov, V.I.

TITLE: A Portable High-voltage Source <sup>1</sup>

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No. 5,  
pp. 117 - 119

TEXT: A small regulated DC voltage source with an output voltage up to +40 kV at 300  $\mu$ A and designed for use with a Van de Graaff generator is described. It is intended for use inside the high-pressure chamber and must therefore withstand pressures of the order of 10 atm. The basic circuit is a modified form of the capacitor-rectifier cascade voltage multiplier. The basic circuit of the device is shown in Fig. 2. There are 4 figures and 3 references: 2 Soviet and 1 English.

SUBMITTED: July 17, 1959

Card 1/1

L 14266-66 EWT(1)/FS(v)-3 SCTB DD/RD

ACC NR: AT6003842

SOURCE CODE: UR/2865/65/004/000/0075/0079

AUTHOR: Kustov, V. V.; Mikhaylov, V. I.; Pilipyuk, Z. I.; Tokarev, Yu. N.; Georgiyevskiy, V. S.; Katkovskiy, B. S.; Kalinina, A. N. 43  
BH

ORG: none

TITLE: Changes in several <sup>2, 5-5, 44</sup> physiological and biochemical indices in man after exposure to small concentrations of carbon monoxide

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 75-79

TOPIC TAGS: carbon monoxide, respiration, human physiology, test chamber, man, biochemistry, blood, central nervous system

ABSTRACT: Experiments were performed on young adult men in order to test the effects of carbon monoxide on certain biochemical indices. Each subject participated in an eight-hr background experiment (effect of hermetization) and an eight-hr experiment on the effects of carbon monoxide. A carbon monoxide concentration corresponds to the concentration of carbon monoxide exhaled by humans. The CO<sub>2</sub> concentration in the chamber did not exceed 0.6%, the air temperature was 18-22° C, the relative humid-

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L 14266-66

ACC NR: AT6003842

ity was 50—60%. The catalyzing activity of the blood, the activity of cholinesterase in blood serum, and the carboxyhemoglobin content of blood were measured in all subjects before and after the experiment. In addition standard EKG, blood pressure, oxygen consumption, and oxygen utilization were also measured. The subjects were also given mathematical problems to solve.

After an exposure of six to seven hours, the subjects manifested certain functional shifts in the cardiovascular system and external respiration, and also an increase in errors in test performance. The P, R, and T points of the EKG showed a drop in voltage. The QRS complex tended to expand (sometimes accompanied by an increased heart rate). The number of errors in all arithmetic tests showed a substantial increase.

After an eight-hr exposure to carbon monoxide, the carboxyhemoglobin content of the blood increased from  $0.66 \pm 0.056\%$  to  $1.58 \pm 0.43\%$ . This was accompanied by a statistically significant increase in the cholinesterase activity of the blood serum. The catalyzing activity of the blood did not change.

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ACC NR: AT6003842

An analysis of the data obtained makes it possible to assume that the minute physiological shifts observed in man after exposure to carbon monoxide cannot be explained as simply the result of carbon monoxide hypoxemia, since the carboxyhemoglobin content of the blood did not exceed 1.58%. It is felt that these changes are due to the effect of carbon monoxide on tissues and that this tissue effect must be taken into account in setting standards of permissible concentration of carbon monoxide in the air of hermetically sealed chambers. Orig. art. has: 3 tables. [ATD PRESS: 4091-F]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 004

PC  
Card 3/3

L 14299-66 ENT(1)/FS(v)-3 SCTB DD/RD

ACC NR: AT6003888

SOURCE CODE: UR/2865/65/004/000/0531/0534

AUTHOR: Mikhaylov, V. I.

ORG: none

TITLE: Ammonia as one of the components of the air medium in closed compartments

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 531-534

TOPIC TAGS: ammonia, respiration, mouse, metabolic waste, closed ecology system, test chamber, toxicology

ABSTRACT: Since ammonia is one of the by-products of the human metabolism which tends to accumulate in closed environments, experiments were performed on mice to determine lethal concentrations of ammonia, limits of permissible (safe) concentrations, and the presence or absence of a cumulative effect.

Experiments for determining lethal concentrations of ammonia were performed on 170 white mice exposed to concentrations of 2.38-6.3 mg/liter in a glass chamber with an 8-liter volume. Prescribed concentrations of ammonia were maintained in the chamber automatically. Death of the animals was registered during exposure to lethal concentrations of ammonia

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14299-06

ACC NR: AT6003888

exhibited irritation of the eyes and of the upper respiratory passages; these phenomena were accompanied by copious foam production from the mouth, nervous movements, and respiration difficulties. Further exposure resulted in the appearance of tremor, discoordination of movements, and toxic cramps before death occurred. Autopsy of the animals showed edema of the lungs and a bloated condition of the stomach and intestines. Results of the experiments indicate that lethal concentrations of ammonia, for 2-hr exposures, range from 2.38 mg/liter (minimum) to 4.51 mg/liter (maximum). The average lethal dose was established as 3.31 mg/liter.

For the purpose of determining permissible limits of exposure, mice were subjected to the concentrations of ammonia used in lethal-determination experiments. Safe limits were judged on the basis of changes in oxygen consumption, catalyzing activity of the blood, and static muscular loading. Ammonia concentration from 0.0072 to 0.0081 mg/liter caused a statistically significant diminution of oxygen consumption. Changes began to be noted in the catalyzing activity of the blood with ammonia concentrations of 0.0077 mg/liter. Changes in resistance of animals to static muscular loading appeared with ammonia concentrations of 0.0072 to 0.0081 mg/liter. On the basis of this data, the zone of ammonia toxicity was estimated equal to concentrations of 4.50 mg/liter.

Card 2/3

14229-66  
ACC NR: AT6003888

In order to determine the presence or absence of a cumulative effect in ammonia toxicity, 30 mice were divided into two groups. The experimental group was exposed to ammonia concentrations of 0.31 mg/liter for two hours per day for fifteen days. On the sixteenth day both the control and experimental groups were exposed to lethal concentrations of ammonia (3.31 mg/liter). Five animals of the experimental group died after the eighth day of exposure to the lesser concentrations of ammonia. None of the control animals died during this period. During the 2-hr exposure to lethal concentrations of ammonia (3.31 mg/liter), four animals died in each group. On the second day after exposure to the lethal dose, the six remaining experimental mice died. At that time only three of the control group had died. Four more of the control animals died on the sixth day after exposure. In addition, during the first hour of exposure to lethal doses, experimental animals showed a drop in oxygen consumption of 58.5 to 76.2%. Oxygen consumption among control mice remained within normal limits. Experimental animals showed an increase in organic-weight coefficient, reduction of oxygen consumption, a greater weight loss, and a faster death rate than the control animals. On the basis of these results, it can be assumed that ammonia has a cumulative effect. Orig. art. has 1 figure and 1 table. ATD PRESS: 4091-FI

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 008  
Card 3/3 PC

ACC NR: AP7005634

SOURCE CODE: UR/0413/67/000/002/0089/0089

INVENTOR: Babachanov, I. F.; Mikhaylov, V. I.; Perekhod, B. P.; Yegorov, A. V.;  
Kiskin, Yu. K.; Prokudin, M. I.; Cherepanov, M. I.; Ovchinnikov, V. V.

ORG: None

TITLE: A converter tuyère for blowing air into matte. Class 40, No. 190576

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 89

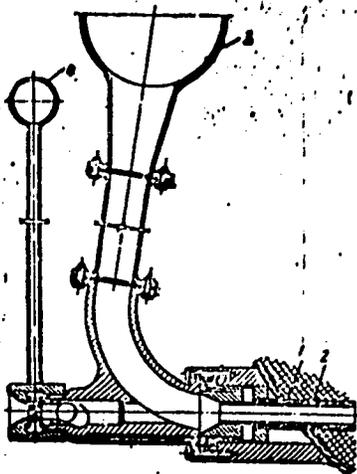
TOPIC TAGS: nozzle design, blast furnace, steel industry

ABSTRACT: This Author's Certificate introduces a converter tuyère made in the form of two concentric pipes for blowing air into matte. Encrustation of the nozzle is prevented by insulating the pipes from each other and connecting them to air collectors with different pressures.

Card 1/2

UDC: 669.333.43:669.243.32;669.184.142

ACC NR: AP7005634



1—inner pipe; 2—outer pipe; 3 and 4—air collectors with different pressures

SUB CODE: 13/ SUBM DATE: 21Dec64

Card 2/2

GEORGIYEVSKIY, V.S.; KAKURIN, L.I.; KALININA, A.N.; KATKOVSKIY, B.S.;  
KUSTOV, V.V.; MIKHAYLOV, V.I.; PILIPYUK, Z.I.; TOKAREV, Yu.N.

Effect of eight-hour isolation and hypokinesia on some physiological and biochemical indices in man. Probl. kosm. biol.  
4:27-30 '65. (MIRA 18:9)

KUSTOV, V.V.; MIKHAYLOV, V.I.; PILIPYUK, Z.I.; TOKAREV, Yu.N.; GEORGIYEVSKIY,  
V.S.; KATKOVSKIY, B.S.; KALININA, A.N.

Change in some physiological and biochemical indices of man  
subjected to carbon monoxide in low concentrations. Probl.  
kosm. biol. 4:75-79 '65. (MIRA 18:9)

MIKHAYLOV, V.I.

Ammonia as one of the components of the air in enclosed  
space. Probl. kosm. biol. 4:531-534 '65. (MIRA 18:9)

MIKHAYLOV, V.I.; KUZ'MIN, D.V.

Investigating the aerodynamic resistance of workings under  
mine conditions. Trudy MakNII 15:58-68 '63.

(MIRA 17:11)

PETROVSKIY, M.I. [Petrovs'kyi, M.I.], dots., otv. red.; GRINOVETS,  
I.F. [Hrynovets', I.F.], dots., red.; LUSHCHIK, I.O.  
[Lushchik, I.O.], dots., red.; MIKHAYLOV, V.I. [Mykhailov,  
V.I.], dots., red.; PASTER, P.I., red.; TIVONCHUK, I.O.  
[Tyvonchuk, I.O.], kand. ekon. nauk, red.; YAREMCHISHIN,  
B.M. [Iaremchyshyn, B.M.], st. nauchn. sotr., red.;  
YAKIMTSOV, P.P., dots., red.; GRINSHPON, F.O. [Hrinshpon,  
F.O.], red.; KVITKO, I.S., red.

[Flourishing of the economy of the western provinces of  
the Ukrainian S.S.R., 1939-1964] Rozkvit ekonomiky zakhid-  
nykh oblastei URSS (1939-1964 rr., L'viv, 1964. 126 p.  
(MIRA 17:11)

1. L'vov. Universytet.

MIKHAYLOV, Y. I.; RYABOVOL, V. A.

USSR (600)

Sugar - Manufacture and Refining.

Mechanization of laborious operations. Sakh. prom. No. 7 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1951, Uncl.  
2

MIKHAYLOV, V. I. — RYABOVOL, V.A.

Sugar - Manufacture and Refining

Conference of innovators. Sakh. prom. 26 no. 3, 1952

Monthly List of Russian Accessions, Library of Congress, June 1952 UNCLASSIFIED.

MIKHAYLOV, V. I. " RYABOVOL, V. A.

Hose

More on the use of rubber tubing for sulfur dioxide. Sakh. prom. 26, no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

MIKHAYLOV, V.I.

Organization and execution of repair work at the Novo-Troitsk Sugar Factory. Sakh.prom. 27 no.4:5-9 Ap '53. (MLRA 6:6)

1. Novo-Troitskiy sakharnyy zavod.

(Sugar machinery)

MIKHAYLOV, V.I.

Packing stuffing boxes during operation of valves. Sakh.prom.  
28 no.1:32-34 '54. (MLRA 7:3)

1. Nizhne-Kislyayskiy sakharnyy zavod. (Valves)

*MIKHAYLOV, V. I.*

AID P - 2959

Subject : USSR/Electricity  
Card 1/1 Pub. 29 - 9/35  
Author : Mikhaylov, V. I., Eng.  
Title : Lining the packing gland during the operation of valves  
Periodical : Energetik, 5, 13-14, My 1955  
Abstract : The author describes a method of lining packing glands during the operation of valves at the Novo-Troitsk sugar refinery. Three drawings.  
Institution : None  
Submitted : No date



5

L 14272-66 EWT(1)/FS(v)-3 SCTB DD/RD

ACC NR: AT6003837

SOURCE CODE: UR/2865/65/004/000/0027/0030

AUTHOR: Georgiyevskiy, V. S.; Kakurin, L. I.; Kalinina, A. N.; Katkovskiy, B. S.; Kustov, V. V.; Mikhaylov, V. I.; Pilipyuk, Z. I.; Tokarev, Yu. N.

ORG: none

TITLE: Effects of eight-hour isolation and hypokinesia on several physiological and biochemical indices in man

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 27-30

TOPIC TAGS: isolation test, hypokinesia, test chamber, respiration, human physiology, biochemistry, man, EKG, blood pressure, blood circulation, physiologic parameter

ABSTRACT: A study was performed in order to determine the effects of short-term isolation and hypokinesia on the basic physiological and biochemical indices of man. Ten young men, 21-24 years of age, were kept for 8 hours in a sitting position in a hermetically sealed chamber with forced ventilation of atmospheric air. The oxygen content was 20-21%, and the CO<sub>2</sub> content was 0.01-0.03%. The temperature varied between 20-22° C and the relative humidity between 50-60%. The parameters measured included the

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L 14272-66

ACC NR: AT6003837

standard EKG, pulse frequency, arterial blood pressure, stroke and minute volumes of blood circulation, peripheral resistance, and the cardiac index. In addition, the frequency, depth, and per minute volume of respiration were measured, along with oxygen consumption, the coefficient of oxygen utilization, the amount of oxygen consumed from 1 liter of air, the vital capacity of the lungs, and certain other indices.

After 8 hours of isolation and hypokinesia, the majority of the subjects showed a diminution in pulse frequency (16%), an insignificant increase in stroke volume (11%), a diminution in per minute volume, and an increase in peripheral circulatory resistance (23%). Except for a slight tendency to bradycardia, the EKG did not show any deviations. Although changes in the respiratory functions were varied, they did not exceed limits of normal physiological-variation, except for a tendency toward retardation of forced exhalation of air of about 0.5 sec. After physical exercise, oxygen debt in most of the subjects was cancelled somewhat sooner, while ventilation debt was cancelled more slowly. Energy expenditures required by physical exercise dropped after the experiment at the expense of a diminution in oxygen debt. The number of errors in psychological (intelligence) tests

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ACC NR: AT6003837

tended to increase toward the end of the experiment, indicating a certain degree of inertia in nervous processes. The amount of carboxyhemoglobin in the blood diminished from  $1.48 \pm 0.48$  to  $0.51 \pm 0.26$  after the experiment and, the catalyzing activity of the blood increased. Both of these changes were statistically significant. The cholinesterase activity of the blood serum diminished by 8.8%. No significant changes were noted in the urea content of the blood. At the same time, the amount of ammonia and urea in urine tended to diminish. In general, 8 hours of isolation and hypokinesia did not lead to any substantial functional shift in the human organism. Orig. art. has: 3 tables. [ATD PRESS: 4091-P]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 002

CC

Card 3/3

MIKHAYLOV, W.I., inzh.; IVANOV, P.N., inzh.

Laboratory investigations of the residual aeration of  
the gas-liquid mixture flowing from an air lift. Sbor.  
trud. VNIINerud no.4:114-121 '65. (MIRA 18:11)

MIKHAYLOV, V.K., inzh.; VASIL'YEV, V.D., inzh.

The AG-900N automatic centrifuge. Mashinostroenie no.2:27-28  
Mr.-Ap '65. (MIRA 18:6)

VASIL'YEV, V.D., inzh.; MIKHAYLOV, V.K., inzh.

Atomization driers for feed yeast. Mashinostroenie no.2:93  
Mr.-Ap '65. (MIRA 18:6)

MIKHAYLOV, V. K.

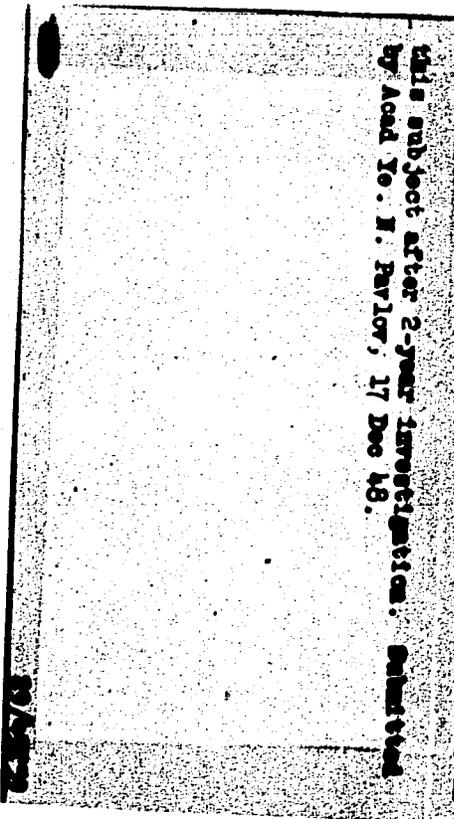
Urban/Insect - Morphology, Botanicary Job 49  
Medicine - Insects

Developmental Phase in the Development of the Winged Stage and Secondary Atypical Pigmentation of the Cuticle in Cabbage Bugs (Burysium Oleraceum L.)," V. I. Mikhailov, 4 pp

"The Air Bank USSR" Vol LXIV, No 6

Winged stage of cabbage bug is easily divided into two forms, according to color. States that Mikhail did not distinguish the physiological changes in tint from the morphological, and confirmed individual variability with experiments. Published original articles from an

This subject after 2-year investigation. Submitted by Acad To. N. Pavlov, 17 Dec 48.



MIKHAYLOV V K.)

MIKHAYLOV V K., SUSSEMAN S. F., MAGOVISOV D. F.

I.V. Demurov. Mirroglia, Moskva No. 4 Apr 50 P. 78-80.

MI

OLNE 19, 2, Aug 50

MIKHAYLOV, V.K.

Erecting contact-system poles without using track delivery.  
Transp.stroi. 10 no.4:19-20 Ap '60. (MIRA 13:9)

1. Stroitel'nyy master 1-go uchastka tresta Yushtransstroy.  
(Electric lines--Poles) (Railroads--Electrification)

MIKHAYLOV, V.K.; LEYZEROVICH, G. Ya.

Volatilization of mercury in a fluidized bed. Sbor. nauch. trud.  
GINTSVETMET no.15:341-351 '59. (MIRA 14:4)  
(Mercury--Metallurgy)  
(Fluidization)

*MIKHAYLOV, V. K.*

USSR/Forestry - Forest Economy.

K-4

Abs Jour : Ref Zhur - Biol., No 2, 1958, 5890

Author : Mikhaylov, V.K.

Inst : Leningrad Forest Engineering Academy

Title : On the Question of the Exploitation of Forests of the  
First Group and Others Comparable to It in Their Usage  
Regimes.

Orig Pub : Tr. Leningrad. lesotekhn. akad, 1957, No 81, Part I, 43-  
51.

Abstract : No abstract.

Card 1/1

MIKHAYLOV, V.K.; YUSHCHENKO, A.I.

Adopting the roasting of mercury ores in a fluidized bed.  
Sbor. nauch. trud. Gintsvetmeta no.19:374-386 '62.

(MIRA 16:7)

(Mercury ores) (Ore dressing)  
(Fluidization)

MIKHAYLOV, V.K.

Roasting in a fluidized bed for the distillation of mercury  
from ores. Sbor. anuch. trud. Gintsvetmeta no.18:364-377 '61.  
(MIRA 16:7)  
(Mercury—Metallurgy) (Fluidization)

KRAVCHENKO, V.A., inzh.; MIKHAYLOV, V.K., inzh.

Automatic roasting of mercury ores. Mekh. i avtom. proizv. 17  
no.8:3-5 Ag '63. (MIRA 16:10)

MIKHAYLOV, V. <sup>L1</sup> Cand Tech Sci -- (diss) "Study of a <sup>Flanked</sup> Straight-Toothed Cylindrical Transmission Gear." Mos, 1957. 11 pp 21 cm.  
(Min of Higher Education USSR, Mos Machine Tool and Instrument Inst  
im I. V. Stalin), 100 copies (KL, 25-57, 113)

- 70 -

**AUTHOR:** Mikhaylov, V.L.

121-2-4/20

**TITLE:** The optimum dimensions and shape of flank corrections in straight spur gears (Optimal'nyye razmery i forma srezov (flankov) pryamozubykh tsilindricheskikh koles)

**PERIODICAL:** "Stanki i Instrument" (Machine Tools and Tools), 1957, No.2, pp. 16 - 19 (U.S.S.R.)

**ABSTRACT:** The Soviet standard GOST 3058-54 lays down the dimensions for the flank tip correction of gear teeth. Ryzhov, M.A. (Issledovaniye effektivnosti razlichnykh form flankirovaniya tsilindricheskikh pryamo zubyki koles. Dissertation for the learned grade of Candidate of Technical Sciences.) has shown some advantages of a curved correction over the straight line correction laid down in the Standard Specification. The foundations of the investigation by Polotskiy, M.S. (Iskhodnyi i rabochiy kontury zubchatoy Reyki (Teoreticheskiy Osnovy GOST 3058-45) Trudy TsNII TMASH. Book 13, 1948) which underlies GOST 3058-54 are criticised. The Moscow Machine Tool and Tool Institute has carried out an investigation to determine the optimum height and shape of the flank correction. The experimental part of the work was carried out at the Machine Tool Plant (Stankostroitel'niy Zavod) imeni S. Ordzhonikidze during 1955 and 1956. The effectiveness of the correction was judged

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The optimum dimensions and shape of flank corrections in straight spur gears. (Cont.)

121-2-4/20

by the noise reduction and measured by means of a noise meter. Shaved gear wheels of 40X steel with a tooth crown hardened to 57-59 Rockwell C were tried. Noise levels are plotted for different overlap factors, different peripheral speeds with and without load, and different depths of the flank correction. Curves of gear wheel batches show only a small degree of scatter. The result of the test is that the curvelinear flank correction of enlarged height, compared with the standard, gives a noise reduction of up to 15 decibels. A graph shows the limits of tooth correction and it is stated that corrected teeth are subject to the same rules regarding the maximum permissible shift of the basic rack. There are 8 figures, including 7 graphs, 2 tables and 3 Slavic references.

AVAILABLE:

2/2

MIKHAYLOV, V.L.

Nikolai Grigor'evich Khlopin; on his 60th birthday. Arkh.anat.  
gist. i embr. 35 no.2:118-125 Mr-Ap '58 (MIRA 11:5)  
(KHLOPIN, NIKOLAI GRIGORE'EVICH, 1897-)

MIKHAYLOV, V.M.; VOLKOVA, A.M.

Some characteristics of the reaction of the lungs to antigen. Medych.  
zhurn. 23 no.1:55-60 '53. (MLRA 8:2)

1. Sverdlovsk'kiy medichniy institut.  
(ANTIGENS AND ANTIBODIES) (LUNGS) (MUSCLE)

MIKHAYLOV, V.M.

The Method of <sup>a</sup>Free Bone Autotransplantation in the Case of Defective Long Hollow Bones  
VOYENNO-MEDITSINSKIY ZHURNAL (Military Medical Journal), no. 2, February 1955, p. 65

MIKHAYLOV, V.M. (Moskva); LYUBARSKIY, Ya.Yu. (Moskva)

Forty years of the operation of the State Central Scientific  
Medical Library. Sov.sdrav. 19 no.2:76-79 '60. (MIRA 13:5)  
(LIBRARIES MEDICAL history)

YUNKEVICH, Viktor Viktorovich; KAPIKRAYAN, Luka Yakovlevich; MIKHAYLOV, Vladimir Mikhaylovich; BASKIN, Yuriy Yakovlevich; SERKO, G.S., red.; TIKHONOVA, Ye.A., tekhn. red.

[Danube River and shipping on the Danube]Dunai i dunaiskoe sudokhodstvo. [By]IUnkevich, V.V. i dr. Moskva, Izd-vo "Morskoi transport," 1962. 301 p. (MIRA 16:1)  
(Danube River--Shipping)

MIKHAYLOV, V. I.

FRASE I BOOK EXPLANATION 507/594

Emery, P.I., Candidate of Technical Sciences, Doctor, Ed. Foreword 574 book (Advanced Experience in Forging) (Leningrad) Leningrad, 1959. 286 p. 5,000 copies printed.

Ed.: Ye.F. Yemelyanov; Tech. Ed.: I.M. Pikhomov.

REMARKS: This collection of articles is intended for workers and engineers in drop-forging shops and for personnel of affiliated branches in the machine industry.

COMMENT: The articles deal with the advanced experience of a number of Leningrad plants in mechanizing and improving production methods in die forging. Recommendations are made concerning the specialization of forging shops and the further development of specific forging processes. Articles by operators-inventors in forging shops of the Kirov-Krasnoluzhny (New Krasnoluzhny) and Krasnaya (Red) machinery plants are included. The collection contains some of the papers which were discussed during the conference in June 1958 (P.I. Emery, Chairman) on specific forging, called by the regional section for the promoting of results of the Leningrad shops previously machine-tool-building shops of the machine-tool building specialization (Leningrad) Administration of the Scientific and Technical Society of the Machine Industry and the intelligibility of machine-tool building propaganda (Leningrad House of Scientists and Technical Propaganda). The foreword includes a list of the participants in the submitted papers to the aforementioned conference. There are no references.

REMARKS: V.I. Chief Forging Engineer, drop-forging shop, making Forgings From Oiling-Form Ingots

Advanced Experience in Forging 52

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Cherny, N.A., Engineer. Hot Pressing of Small Ingots Instead of Forging 79

80

Galkin, P.B., Chief of Section. Improving the Press-Forging Processes 80

96

Kozlov, E.P., Operator-Inventor. Making Large Forgings With Minimum Strains for Maximum Inclinations From the Given Dimensions 96

105

Malozemov, S.I., Engineer, V.I. Candidate of Technical Sciences, and V.I. Planner, Engineer. New Methods of Making Hydrocrisis Shafts 105

116

Trifunov, P.A., Senior Foreman. Experience in the Operation of a 12,000-ton Forging Press 116

134

Khokhlov, V.M. Operator-Inventor, Hero of Socialist Labor. Experience in Making Efficient Forging Processes on a 1000-Ton Press 134

146

Smolin, S.P., Deputy Chief of Shop, and S.M. Zakhin, Engineer. From the Experience of the Drop-Forging Shop of the Metallurgical Plant in Forging-Shop Operation 146

178

Emery, P.I., Chief of Section M.R. Heritskiy, Engineer, and P.I. Olyudov, Operator-Inventor. Advanced Experience of the Forging Operators of the Red Plant. 178

206

Emery, P.I., Chief Process Engineer, Forging Shop. Examples of Promoting Efficiency in the Drop-Forging Processes 206

224

Smirnov, S.M., Engineer. Promoting Efficiency in the Drop-Forging Processes 224

234

Smirnov, S.M., Operator-Inventor. Examples of Promoting Efficiency in the Production of Small Forgings 234

234

REMARKS: Library of Congress

Card 3/1

78/50/504  
4/24/51

7

MIKHAYLOV, V. M.

PA 18T68

USSR/Mines and Mining - Equipment  
Aluminum Alloys

Sep 1947

"Aluminum Alloys in Mining Equipment," V. M. Mikhaylov,  
1 p

"Gornyy Zhurnal" No 9

Report on favorable results received in Canada and  
England by using aluminum alloys in mining equipment.  
The chief advantages are lightness of weight and  
economy of steel consumption.

18T68

1. MIKBAYLOV, V. M., Eng.
2. USSR (600)
4. Shaft Sinking
7. On G. I. Man'kovskii's article "Problem of the method for driving deep shafts" (Ugol' No. 2, 1952). Ugol' 28, No. 5,

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

MIKHAYLOV, V.M., gornyy inshener.

Ventilating blind longitudinal drifts of great length. 'Ugol' 28 no.12:18-19  
D '53. (MIRA 6:11)

(Mine ventilation)

*MIRA 10:12*  
MIKHAYLOV, V.M., insh.

~~Lowering~~ Lowering the concrete mix into the shaft by pipes; from foreign  
journals. Shakht.stroi. no.10:30-32 0 '57. (MIRA 10:12)  
(Shaft sinking--Equipment and supplies)

BALELOS, I.I., gornyy insh.; MIKHAYLOV, V.M., gornyy insh.

New mining systems. Ugol' 32 no.10:6-11 0 '57.  
(Coal mines and mining)

(MIRA 10:11)

MIKHAYLOV, V.M. ingh.

Extension belt conveyers for mines (from foreign journals).

Shak. stroi. no.7:30-31 '58.

(MIRA 11:9)

(Mine haulage) (Conveying machinery)

MIKHAYLOV, V.M., gornyy inzh.

Narrow range mining and unsupported face areas. Ugol' 35 no.10:  
63-64 0'60. (MIRA 13:10)

(Coal mines and mining)

MIKHAYLOV, V.M.

Experimental operation of "Ural-2m" cutter-loader in the Pechora  
Basin. Ugol' 36 no.9:26-28 S '61. (MIRA 14:9)  
(Pechora Basin--Coal mining machinery)

MIKHAYLOV, V.M. [Mykhailov, V.M.]

Some data on the character of changes in the average velocity of propagation of elastic waves in rocks of the Prut-Eniester interfluve. Dop. AN URSR no.6:735-738 '65. (MIRA 18:7)

1. Dnepropetrovskaya geofizicheskaya ekspeditsiya.

BULGAKOVA, T.I.; BITSIYEVA, I.P.; MIKHAYLOV, V.M.

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(Nickel ferrates) (Zinc ferrates)

AUTHOR: Mikhaylov, V.M., Engineer SOV-118-58-9-16/19  
TITLE: Underground Explosion of an Atomic Charge (Podzemnyy vzryv atomnogo zaryada)  
PERIODICAL: Mekhanizatsiya trudoyemkikh i tyazhelykh rabot, 1958, Nr 9, pp 43-44 (USSR)  
ABSTRACT: The author refers to the first underground explosion of an atomic charge in Nevada on the 19th Oct 1957.  
1. Atomic bombs--Test methods 2. Underground explosions

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Absorption of nitric acid from organic solutions by anion exchangers.  
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(Nitric acid) (Ion exchange)